

WHAT IS CLAIMED IS:

1. A hydraulic module for actuating at least one hydraulic control element or actuator with a hydraulic pump in a housing, with an electric motor fastened to a first housing side for driving the pump, with a tank located on a second housing side opposite the first side for a hydraulic fluid, with flow channels in the housing produced by bore holes for the hydraulic fluid to supply this fluid from the tank to a pump chamber, for transmitting the hydraulic fluid conveyed by the pump to a pressure connection located on the housing for connection of the at least one actuating element and for returning the hydraulic fluid from the pressure connection into the tank, wherein in the flow channel for returning the hydraulic fluid into the tank there is an electrically controllable or adjustable valve, which is a pressure regulating shut-off valve.

2. The hydraulic module as claimed in claim 1, wherein the tank has a compensating and pressure element producing a primary pressure for the hydraulic fluid.

3. A hydraulic module for actuating at least one hydraulic control element or actuator with a hydraulic pump in a housing, with an electric motor fastened to a first housing side for driving the pump, with a tank located on a second housing side opposite the first side for a hydraulic fluid, with flow channels in the housing produced by bore holes for the hydraulic fluid to supply this fluid from the tank to a pump chamber, for transmitting the hydraulic fluid conveyed by the pump to a pressure connection located on the housing for connection of the at least one actuating element and for returning the hydraulic fluid from the pressure connection into the tank, wherein the tank has a compensating and pressure element producing a primary pressure for the hydraulic fluid.

4. The hydraulic module as claimed in claim 3, wherein the flow channel for returning the hydraulic fluid into the tank there is a controllable or adjustable valve, which is designed as a pressure regulating shut-off valve.

5. The hydraulic module as claimed in claim 1, wherein the compensating and pressure element has a wall that at least partially limits the interior of the tank and that is pressurized with a primary pressure on a side facing away from the interior of the tank.

6. The hydraulic module as claimed in claim 1, wherein in the interior of the tank, as a compensating and pressure element, there is a bellow-like element, of which the enclosed interior is filled with a compressible medium.

7. The hydraulic module as claimed in claim 1, wherein the bellow-like element is a closed covering made of a flexible and/or foldable material.

8. The hydraulic module as claimed in claim 1, wherein the compensating and pressure element is a piston.

9. The hydraulic module as claimed in claim 8, wherein the compensating and pressure element is a ring piston.

10. The hydraulic module as claimed in claim 1, wherein the compensating and pressure element for producing the primary pressure is pressurized with at least one pressure-producing means, for example with at least one mechanical spring element and/or with a gaseous medium under pressure.

11. The hydraulic module as claimed in claim 1, wherein the pressure regulating shut-off valve opens in non-activated condition.

12. The hydraulic module as claimed in claim 1, wherein the pump is a piston pump with a single piston.

13. The hydraulic module as claimed in claim 1, wherein the flow channel for supplying the hydraulic fluid to a pump there is a first non-return valve, which opens in the direction of flow from the tank to the pump or the pump chamber and closes in the opposite direction.

14. The hydraulic module as claimed in claim 1, wherein the flow channel between the pump and the at least one pressure connection there is a second non-return valve, which opens in the direction of flow from the pump to the pressure connection and closes in the opposite direction.

15. The hydraulic module as claimed in claim 1, wherein the connection of the flow channel for the return flow is located before the second non-return valve starting from the pressure connection.

16. The hydraulic module as claimed in claim 1, wherein in an interior space of the housing, a shaft coupled with the electric motor for driving the pump is mounted on bearings and that this interior space is connected with the interior of the tank.

17. The hydraulic module as claimed in claim 16, wherein the interior space is directly connected with the interior of the tank.

18. The hydraulic module as claimed in claim 16, wherein the interior space is connected with the interior of the tank by means of a hydraulic connection.

19. The hydraulic module as claimed in claim 1, wherein the flow channel for the return flow and also the valve of the second side surface provided for this flow channel is located adjacent to each other.

20. The hydraulic module as claimed in claim 1, wherein the housing is formed from a block, a rectangular block made of metal.

21. The hydraulic module as claimed in claim 1, wherein the tank is flanged onto a block or housing of the hydraulic module.

22. The hydraulic module as claimed in claim 1, wherein the tank is connected via a hydraulic connection with a space in the housing.